Un Essay The offices of the Peritonieum. (Kelpeclfully Submitted) To the Faculty of the Homoeopathie Medical College of Centylvania, on the Twentieth day of January One thousand Eight hundred & fifty three, Coy Frederic Miles Palmer, of Maine.

Ampromising as this Subject at first view appears, it really possesses many curious and interesting points. Like some other parts of the animal remony if regarded only Superfix cially, the feritimeum presents a merely mechanical aspect, as debrico of physiological intende as of physical beauty. There closely ecunined it is found to be not merely a große covering of the abdominal viscera, but a means most wonderfully and beautifully adapted to protect and preserve no a healthy condetien the organs and eystems placed within its charge.

Let us look a little more in detail at some of its principal One of its most apparent of-Gies is to Sustain in place and Shield from external injury the viscera with which it is in immediate association. The first it accomplishes by means of its numerous folds and reflections, Juning bands and attachments of curious adaptation. The Leaned by the simple interposition of itself between these viscera and the external world To these Ends it is Extensile and elastic, - yulding and reacting like Comme lendinons lessue. In

the accomplishment of this double purpose it associates these vis-Cera nito a brotherhood - Jenus as a medium from transmitting Rome of their bloodvessels, and distribute army them of its our counth and vitality. Another and most important office of the Pritoneum is to furnish to the visceral bufaces, a profuse, unquent secretion, perfectly adapted to botten and bubucate them and to Enable them to glide upon themselves and ruch other in their almost ceaseless movements, with facility and without attic tion. This it accomplishes prince. fully through the greater mentum,

By means of this fluid the bisceral surfaces are also protected against the corroding effects of the a coid exhalations which east in the relieve of the abdomen - and by it through the Connection firmed by the cellular tipue of the mentum with that of the duodenum and the colon, the pesideum of the chyme is muscerated, softened and brilling on its way. But it has still another and not less vital office. This same mental flution Serves as a Store. house of the Superahundant matenals of the blood - Secreting them in its cells as the honey

in the comb, and for a similar kurpose; mannely, against the time of need.

That such a receptacles ix are needed is sufficiently apparent, and that this is one of the offices of the mention is to be seen from the fact that certain arteris - the coeliacs - no this Course elsewhere follow the Gree Conders of this parties of the membrane, throw off hunches which Enter ité expanded pertien and ramify through its substance, where their Reculiar Connection with the intimate structure of the adipose deposite in that region, fully barrants our conclusion.

according to Malpigho, the pelicle covering a globule of the omental fat, as them under the microscope, is itself a minute mentum and this fish globule is made up of numerous smaller mes, each possessing its little membrane, chumdled by nimule veins and arteries. "These Hood wessely" says this author, " expand the trees nito branches, and to the extremities of these branches are appended the membranous sacculi, full of the fatty globules. Whether all the adipose oftobules be again moested with a pelicle, or not, the eye is unable to decide, This much however, can be seen - the plobules

are connected to the side of the branches as the stones of the grape are appended to the stalks. That the omentum is thus a depositing for the super abundant materials of the blood is apparent That, at such, it is drawn upon whenever the blood has been inpoverished in quality by disease or dimnished in quantity by mechanical infuny, it Equally apparent from the fact that Caused Such as these produce the certain and Sometimes the Ludden diminution of this erdiferse deposite. From the intimate arrangement of these fatty particles of much

rior portion is secreted from the purest materials of the blood, for the großer blood globulish Could not possibly pass these exceedingly minute arteries, or be received back by the Equally minute veins into the general circulation.

Thus this Peritoneum, tounintensting at the first plance
and apparently serving a merely
mechanical and, is in reality
a tipene of the highest importance
- a menutrane, the Structure of
which is held in place by the
most beautiful and orderly assangement of its minute parts-

a preserve of civil harmony and comfut - a seat of appearant dix to the sanguminy circulation - the trustee of a reserved fund for future emergences.